

Attorney Docket No.: 01CON263P-CIP
Application Serial No.: 10/061,171

In the Drawings:

Please replace Figure 3 with the enclosed replacement sheet showing receiver 313, processor 315 and transmitter 317 of SLIC 312. Applicant respectfully submits that no new matter has been added.

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REMARKS

In the Office Action of March 3, 2006, the Examiner has rejected claims 1-25. By the present amendment, applicant has amended claims 1, 4, 6, 7, 8, 10, 12, 13, 14, 16, 18, 19, 20, 22, 24 and 25. After the present amendment, claims 1-25 remain pending in the present application. Reconsideration and allowance of outstanding claims 1-25 in view of the above amendments and following remarks are requested.

A. Objection to the Drawings

The Examiner has objected to the drawings stating that the drawings "must show every feature of the invention specified in the claims" and "the receiver, a processor and a transmitter recited in claims 14 and 20 must be shown or the feature(s) canceled from the claims." As stated in response to the previous office action, applicant respectfully disagrees. However, in order to expedite the prosecution of the present application, applicant has amended Figure 3 of the present application to show that SLIC 312 includes receiver 313, processor 315 and transmitter 317. Further, applicant has amended the detailed specification to refer to receiver 313, processor 315 and transmitter 317. Applicant respectfully submits that no new matter has been added. Accordingly, it is respectfully submitted that objection to the drawings should be withdrawn.

B. Rejection of Claims 6, 12, 18 and 24 under 35 USC §112, ¶ 1

The Examiner has rejected claims 6, 12, 18 and 24, under 35 USC §112, ¶ 1, as failing to comply with the enablement requirement. Applicant respectfully disagrees; however, in order to expedite the prosecution of the present application, applicant has amended claims 6, 12, 18 and

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24 to revert back to the original language. Accordingly, it is respectfully submitted that rejection of claims 6, 12, 18 and 24 should be withdrawn.

C. Rejection of Claims 1-9, 11-21 and 23-25 under 35 USC §102(e)

The Examiner has rejected claims 1-9, 11-21 and 23-25, under 35 USC §102(e), as being anticipated by U.S. Patent Number 6,470,046 to Scott ("Scott").

By the present amendment, applicant has amended the independent claims of the present application to further clarify the invention of the pending the independent claims. Applicant would like to point out that, for example, the invention of independent claim 1 is directed to analog modems that use the voiceband (i.e. 0-4 KHz frequency band) to transmit and receive data. To this end, applicant has amended the claims to replace "modem" with "analog modem." Even more, applicant has further clarified the independent claims to specifically recite that the receiver receives "voiceband" analog data signal.

Now, turning to Scott, as shown in FIG. 6, signals that are received on communication line 75 are separated or filtered (using 4 KHz filtering), such that signals below 4 KHz (referred to as POTS voice signals) are sent through decimator 82, low pass filter 83 and linear to mu-law converter 84, and on the other hand, signals above 4 KHz (referred to as high speed digital signals) go through demodulator 81. As Scott further explains, voice signals from linear to mu-law converter 84 are placed on voice TDM bus 21, and high speed digital signals from demodulator 81 are placed on data bus 22. (See FIG. 6 and col. 5, line 65 – col. 6, line 12.)

In contrast, the invention of claim 1 completely obviates the need for decimator 82, low pass filter 83 and linear to mu-law converter 84 that are taught and disclosed in Scott. For

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example, when 0-4 KHz band is being used by a high speed analog modem (see claim7), then the prior art approach of using decimator 82, low pass filter 83 and linear to mu-law converter 84 is bypassed, and instead, analog modem signals in the frequency band of 0-4 KHz are subjected to a linear coding process to generate a plurality of digitized analog data signal samples. Therefore, it is respectfully submitted that Scott fails to disclose, teach or suggest the invention of claim 1, as amended.

Accordingly, applicant respectfully submits that claim 1, as amended, is patentably distinguishable over Scot and should be allowed. Further, independent claims 8, 14 and 20, as amended, also recite limitations similar to the aforementioned limitations of claim 1, as amended, and should be allowed for the same reasons stated above. In addition, claims 2-7, 9, 11-13, 15-19, 21 and 23-25 depend from claims 1, 8, 14 and 20, respectively, and should be also be allowed at least for the reasons stated above.

D. Rejection of Claims 10 and 22 under 35 USC §103(a)

The Examiner has rejected claims 10 and 22, under 35 USC §103(a), as being unpatentable over Scott in view of U.S. Patent Number 6,785,340 to Stockman, et al. (“Stockman”).

Applicant respectfully submits that claims 10 and 22 depend from claims 8 and 20, respectively, and should be also be allowed at least for the reasons stated above.

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E. Conclusion

For all the foregoing reasons, an early Notice of Allowance directed to claims 1-25 is respectfully requested.

Respectfully Submitted,
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